

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

City of Sacramento

El Camino Avenue Bridge

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Magpie Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****City of Sacramento**

Structure
El Camino Avenue Bridge

Structure Rating	A
Date of Inspection	7/7/2011
DWR Inspector	Pavel Kazi
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/07/2011 07/07/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: West El Camino bridge is inspected as a structure because the bridge deck is below the design water surface elevation causing the wingwalls and guard railing to act as flood walls during high water events.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: The channel appeared to be free of any vegetation growth.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: The channel didn't have any shoaling or sedimentation which would impede the flow.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion or bank caving was found on the side of the channel.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap was properly maintained.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No trash or debris were present around the structure.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/07/2011 07/07/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: The concrete surface didn't have any spalling or cracking which would threaten the integrity of the bridge.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There were no signs of any settlement.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No sign of scouring or erosion was visible at the footings of the structure.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	18
19	0.00	0.00	Structures	Closure Structures		N		38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolithic joint material was in good condition on the flood walls.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	22 Y
23	0.00	0.00	Structures	Safety		A	Inspector Comments: The walls around the structure provide adequate protection against fall hazards.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	23

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

View of the flood wall.

pkazi_t_20110802_020.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the channel under the bridge.

pkazi_t_20110725_009.jpg



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces

View of the flood wall.

pkazi_t_20110802_018.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints

View of the flood walls with monolith joints.

pkazi_t_20110725_012.jpg



Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints

View of flood walls with monolith joints.

pkazi_t_20110802_019.jpg



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Flood Control Project Maintenance**Unit Cover Sheet****2011 Pumping Plant Inspection Results****City of Sacramento**

Pumping Plant
Magpie Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	7/7/2011
DWR Inspector	Pavel Kazi
Accompanied By	Chuck Worley DWR
	Molly Clark City of Sacramento

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operation log was maintained up to date and it was present at the pump station.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: O&M Manual wasn't present at the plant because the operator took it out to make some copies, but it usually present at the plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	2
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building was in good condition without any visible cracks or structural damage.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The phone line was in working condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	4
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The building didn't had visible safety issues. Fire extinguishers were present inside the building along with material for oil spills.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	5 Y
6	0.00	0.00	Pump Stations	Cranes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The crane appeared to be in good working condition inside the pumping plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	6 Y
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pumps didn't show any signs of corrosion and all the pumps appeared to be properly maintained and periodically tested.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The power sources appeared to be safe and reliable and some pumps are able to operate using propane as a fuel source.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the items appeared to be operational, and properly maintained.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	10
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the pump control systems appeared to be in a good condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	11

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure						Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant							07/07/2011 07/07/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The wet well was clear of any debris or obstructions which could hinder the pumps during operation.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	12 Y
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash rack appeared to be clean and out of any debris.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash racks were not present at this plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	14
14	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: This facility didn't have electric gates.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	16
15	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The slide gate appeared to be in good working condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	17 Y
16	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The metallic parts appeared to be well maintained.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	18
17	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The flap gates appeared to be in good condition and free of any obstructions.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	19 Y
18	0.00	0.00	Pump Stations	Closure Structures		A	Item inspected visually only. Item was not operated during the inspection.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	20
19	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The security fencing around the structures appeared to be in good condition and should provide protection against unauthorized access.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	21 Y
20	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The intake pipes appeared to be in good condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	22 Y
21	0.00	0.00	Pump Stations	Pressurized Pipe		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pipes didn't show any evidence of leakage.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	23

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the control room next to the pumping plant.

pkazi_t_20110708_001.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

Safety material for oil spills was present inside the structure.

pkazi_t_20110708_002.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

Fire extinguisher inside the pumping plant.

pkazi_t_20110708_003.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Cranes

View of the crane at the pumping plant.

pkazi_t_20110708_004.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of one of the pumps.

pkazi_t_20110708_005.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of one of the pumps inside the pumping plant.

pkazi_t_20110729_016.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of one of the pumps outside of the building.

pkazi_t_20110729_017.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well below the pumping plant.

pkazi_t_20110729_013.jpg



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

View of the trash rack.

pkazi_t_20110712_006.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the slide gate operator.

pkazi_t_20110729_014.jpg



Levee Mile Report Line	17
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

View of the flap gates.

pkazi_t_20110712_007.jpg



Levee Mile Report Line	19
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing

View of the security fencing around the structure.

pkazi_t_20110729_015.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/07/2011 07/07/2011	Pavel Kazi

Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes

View of the intake pipes.

pkazi_t_20110712_008.jpg



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